

To: Hanh Shaw/R10/USEPA/US@EPA[]
Cc: Susan.Childs@shell.com[Susan.Childs@shell.com]
From: Les.Skinner@shell.com
Sent: Wed 6/16/2010 7:41:57 PM
Subject: RE: Citations in EPs for Temperature Increase of Non-contact Cooling Water

Hanh,

From the message attached to your e-mail, it looks like the EPA system deleted the attachment since it was an Excel spreadsheet. Here it the data copied directly to this e-mail. Hope it comes through this time.

I appreciate the opportunity to meet with you and Diane on the NPDES General Permit, and I agree that getting maximum input from all parties is the best way to fashion a robust document. Thanks for extending the invitation to us for the meeting.

Here's the information on the cooling water citations:

Non-Contact Cooling Water Temperature Increase
=1.40C (2.50F)

CITATIONS

2010 Camden Bay Exploration Plan Appendix H (Environmental Impact Assessment)

Section	Paragraph	Line	Page No.
4.1.3	4	6	210
4.1.9	5	5	230
4.1.9	0	1	235
4.1.9	4	1	242
4.1.10	6	5	251
4.1.12	1	5	267
4.1.16	6	8	296

2010 Chukchi Sea Exploration Plan Appendix F (Environmental Impact Assessment)

Section	Paragraph	Line	Page No.
4.1.2	1	2	248
4.1.4	3	3	261
4.1.5	2	2	272
4.1.11	5	5	366

Regards,

Les

-----Original Message-----

From: Shaw.Hanh@epa.gov [mailto:Shaw.Hanh@epa.gov]

Sent: Wednesday, June 16, 2010 2:34 PM

To: Skinner, Les SEPCO-UAO/W/D

Subject: Re: Citations in EPs for Temperature Increase of Non-contact Cooling Water

Hi Les,

Your spreadsheet did not come through. Did you send it as a zip file? Please unzip and resend.

Thank you for a very productive meeting on Monday. I really appreciate you and others traveling to Seattle to meet with EPA. The discharge volume memo we promised is forthcoming.

Hanh Shaw
Project Manager
NPDES Permits Unit, OWW-130
U.S. Environmental Protection Agency
1200 Sixth Avenue, Suite 900
Seattle, WA 98101
(206) 553-0171
shaw.hanh@epa.gov

From: <Les.Skinner@shell.com>
To: Hanh Shaw/R10/USEPA/US@EPA
Cc: <a.macrander@shell.com>, Dianne Soderlund/R10/USEPA/US@EPA, <Susan.Childs@shell.com>, <Pauline.Ruddy@shell.com>
Date: 06/16/2010 12:17 PM
Subject: Citations in EPs for Temperature Increase of Non-contact Cooling Water

Dear Hanh,

Per our meeting on Monday, attached is an Excel worksheet with the places in both EPs where we refer to the non-contact cooling water temperature increase of 1.4 deg C (2.5 deg F) for the 45,000 bbls/day of this stream (assuming all engines aboard the drillship are operating at full load continuously). As you requested, I am working with the drilling contractor to come up with a better assessment of the actual cooling water flowrate expected during normal drilling operations instead of just quoting the maximum 45,000 bbls/day for each day of the drilling season.

All citations are located in our Environmental Impact Analysis, an appendix to each EP. There are several such citations in each EIA.

Other requested information will be sent soon.

Please let me know if you have any questions.

Thanks and best regards,

Les

Les Skinner, PE
SEPCO, Alaska Venture Team
150 N. Dairy Ashford, Houston, TX 77079, A3124
Tel: +1 832 337 1697 Office, +1 281 961 8595 Cell
FAX: +1 832 337 0555

***** ATTACHMENT NOT DELIVERED *****

This Email message contained an attachment named
Cooling Wtr Temp Increase Citations in EPs.ZIP
which may be a computer program. This attached computer program could
contain a computer virus which could cause harm to EPA's computers,
network, and data. The attachment has been deleted.

This was done to limit the distribution of computer viruses introduced
into the EPA network. EPA is deleting all computer program attachments
sent from the Internet into the agency via Email.

If the message sender is known and the attachment was legitimate, you
should contact the sender and request that they rename the file name
extension and resend the Email with the renamed attachment. After
receiving the revised Email, containing the renamed attachment, you can
rename the file extension to its correct name.

For further information, please contact the EPA Call Center at
(866) 411-4EPA (4372). The TDD number is (866) 489-4900.

***** ATTACHMENT NOT DELIVERED *****